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Did you mean: "**spread spectrum**" "**phase modulation**" "**amplitude modulation**"

#### Mobile surface terminal communication system - Patent 6804493

The PN command signal is multilevel to **amplitude modulate** an (1-.alpha. ... and then **phase modulate** the uplink carrier at the uplink carrier frequency that ...  
[www.freepatentsonline.com/6804493.html](http://www.freepatentsonline.com/6804493.html)

#### Patent 4217467: Amplitude and periodic phase modulation ...

... which can be utilized to amplitude and **phase modulate** a carrier as shown in FIG. 15C, thereby further reducing the bandwidth by one-half. ...  
[www.freepatentsonline.com/4217467.html](http://www.freepatentsonline.com/4217467.html)

#### Method and apparatus for waveform generation patent Monitor ...

A **spread spectrum** waveform generator has a photonic oscillator and an optical ...  
Typically , a pulse - compression code is used to **phase modulate** a single ...  
[www.freshpatents.com/Method-and-apparatus-for-waveform-generation-dt20041230ptan20040264977.php](http://www.freshpatents.com/Method-and-apparatus-for-waveform-generation-dt20041230ptan20040264977.php)

#### Method and apparatus for waveform generation patent invention FREE ...

Typically , a pulse - compression code is used to **phase modulate** a single - tone ... an agile or a frequency modulated **spread spectrum** waveform generator . ...  
[www.freshpatents.com/Method-and-apparatus-for-waveform-generation-dt20041230ptan20040264977.php?type=desc...](http://www.freshpatents.com/Method-and-apparatus-for-waveform-generation-dt20041230ptan20040264977.php?type=desc...)

#### [PDF] A Nonlinear Dynamic System for Spread Spectrum Code Acquisition

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1.4 Direct Sequence **Spread Spectrum** (DS SS) for Simple ... **phase modulate** the drive signal. They **amplitude modulate** the data (which has a much lower ...  
[www.media.mit.edu/~vigoda/thesis.PDF](http://www.media.mit.edu/~vigoda/thesis.PDF)

#### Front Page Images Description Claims DESCRIPTION BACKSCATTER ...

**Spread spectrum** modulation techniques are known in the art. ... the modulator is configured to **amplitude modulate** and **phase modulate** the carrier signal. ...  
[www.wipo.org/cgi-pct/guest/getbykey5?KEY=99/56414.991104&ELEMENT\\_SET=DECL](http://www.wipo.org/cgi-pct/guest/getbykey5?KEY=99/56414.991104&ELEMENT_SET=DECL)

#### US Pregrant 20020015436 - Modulators, transmitters, a radio ...

... and **amplitude modulate** the carrier signal using the spread data signal , the modulator being further configured to **phase modulate** the carrier signal . ...  
[cxp.paterra.com/uspregrant20020015436.html](http://cxp.paterra.com/uspregrant20020015436.html)

#### 美国专利申请公开说明书20020015436 - Modulators, transmitters, a ...

... and **amplitude modulate** the carrier signal using the spread data signal, the modulator being further configured to **phase modulate** the carrier signal. ...  
[cxp.paterra.com/uspregrant20020015436cn.html](http://cxp.paterra.com/uspregrant20020015436cn.html)

#### Backscatter interrogators, communication systems and backscatter ...

The backscatter interrogator according to claim 8 wherein the modulator is configured to **amplitude modulate** and **phase modulate** the carrier signal. 12. ...  
[patents.nimblewisdom.com/patent/6459726-Backscatter-interrogators-communication-systems-and-backscatter-c...](http://patents.nimblewisdom.com/patent/6459726-Backscatter-interrogators-communication-systems-and-backscatter-c...)

**AM compatible digital audio broadcasting signal transmission using ...**

The digitally modulated **spread spectrum** noise-like sequences replaces the OFDM ...

These coefficients then amplitude and **phase modulate** a basis set of ...

patents.nimblewisdom.com/patent/ 5956373-AM-compatible-digital-audio-broadcasting-signal-transmission-using...

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"spread spectrum" "phase modulate" "amplitude modulate" backscatter

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Did you mean: "**spread spectrum**" "**phase modulation**" "**amplitude modulated**" **backscatter**

US Pregrant 20020015436 - Modulators, transmitters, a radio ...

The present invention provides **backscatter** interrogators , communication ... signal to define a spread data signal and **amplitude modulate** the carrier signal ...  
[cxp.paterra.com/uspregrant20020015436.html](http://cxp.paterra.com/uspregrant20020015436.html)

美国专利申请公开说明书20020015436 - Modulators, transmitters, a ...

The present invention provides **backscatter** interrogators, ... a spread data signal and **amplitude modulate** the carrier signal using the spread data signal, ...  
[cxp.paterra.com/uspregrant20020015436cn.html](http://cxp.paterra.com/uspregrant20020015436cn.html)

**Backscatter** interrogators, communication systems and **backscatter** ...

The **backscatter** interrogator according to claim 8 wherein the modulator is configured to **amplitude modulate** and **phase modulate** the carrier signal. 12. ...  
[patents.nimblewisdom.com/patent/6459726-Backscatter-interrogators-communication-systems-and-backscatter-c...](http://patents.nimblewisdom.com/patent/6459726-Backscatter-interrogators-communication-systems-and-backscatter-c...)

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[EP915573 Lucent european software patent - Direct sequence spread ...](#)

Software Patent: Direct sequence **spread spectrum** modulated uplink for modulated **backscatter** systems. Table of contents: Bibliography; Abstract; Description ...  
[gauss.ffii.org/PatentView/EP915573](http://gauss.ffii.org/PatentView/EP915573)

[EP750201 At european software patent - Full duplex modulated ...](#)

A **Backscatter** Modulator uses a second information signal to modulate the reflection of the ... this is a Direct Sequence **Spread Spectrum** (DS/SS) system. ...  
[gauss.ffii.org/PatentView/EP750201](http://gauss.ffii.org/PatentView/EP750201)

[Patent 5649296: Full duplex modulated backscatter system Quick ...](#)

MBS systems typically utilize the **amplitude modulated** techniques described above for ... this is a Direct Sequence **Spread Spectrum** (DS/SS) system. ...  
[www.freepatentsonline.com/5649296.html](http://www.freepatentsonline.com/5649296.html)

[Amplitude modulation - Patent Storm Home Browse by Inventor Browse ...](#)

According to one aspect of the present invention, a **backscatter** ... a **phase modulation** command representing a desired **phase modulation** of an RF signal, ...  
[www.patentstorm.us/class/455/108-Amplitude\\_modulation.html](http://www.patentstorm.us/class/455/108-Amplitude_modulation.html)

[\[PDF\] RFID Technical Basics](#)

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bars and spaces carry the data in **amplitude modulated** ... Amplitude, Frequency and **Phase Modulation**, Amplitude Shift Keying, Frequency Shift Keying ...  
[www.aimuk.org/pdfs/Comp04-4.pdf](http://www.aimuk.org/pdfs/Comp04-4.pdf)

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The Interrogator first transmits an **amplitude modulated** signal to the Tag . ... In a Direct Sequence **Spread Spectrum** TDMA system , the probability that two ...  
[v3.espacenet.com/textdes?&DB=EPODOC&IDX=EP0915573&QPN=EP0915573](http://v3.espacenet.com/textdes?&DB=EPODOC&IDX=EP0915573&QPN=EP0915573)

[Acronyms and Abbreviations Used by the RF/Microwave Industry ...](#)

AML **amplitude modulated** link. AMPS Advanced Mobile Phone Service. AMR adaptive multirate codex ... CPM continuous **phase modulation**. CPS coplanar stripline ...  
[www.navicpmart.com/news/newstmp.cfm/v/001~..%2Fnews%2Fmw\\_2000102\\_4.cfm.html](http://www.navicpmart.com/news/newstmp.cfm/v/001~..%2Fnews%2Fmw_2000102_4.cfm.html)

[The Shortwave Jargon Glossary An ongoing effort last updated 7/17 ...](#)

Angle Modulation PM **Phase Modulation** Descriptively named mode that retards ... These were even **amplitude modulated**, for voice radio, with telephone mikes ...  
[www.ominous-valve.com/jargon.txt](http://www.ominous-valve.com/jargon.txt)

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Photonics & Sensors, 6671304, **Amplitude-modulated** laser for high-bandwidth ... wavelength division multiplexing and distributed optical **phase modulation** ...  
[www.techlinkcenter.org/.../patent\\_search\\_process.html?search\\_clear=1&category=Photonics%20%26%20Sensors](http://www.techlinkcenter.org/.../patent_search_process.html?search_clear=1&category=Photonics%20%26%20Sensors)

[\[PDF\] Chapter 6. Time of Flight Sensors](#)

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**Phase modulation** (PM). • Polarisation modulation. For most simple TOF sensors, the carrier is on-off **amplitude modulated** as shown in. the figure. ...

[www.acfr.usyd.edu.au/teaching/4th-year/mech4721-Signals/material/lecture%20notes/06%20Time%20of%20Flight.pdf](http://www.acfr.usyd.edu.au/teaching/4th-year/mech4721-Signals/material/lecture%20notes/06%20Time%20of%20Flight.pdf)

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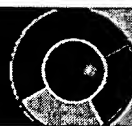
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Tong A Smart Time-Frequency Exciser for **Spread Spectrum** Communications 1209  
Mehmet V. Tazebay, Ali N. Akansu Session: RECONSTRUCTION, ESTIMATION, AND  
APPLICATIONS 22 Laguerre Digital...  
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- ☐ 2. [pp. 1-5 PM6 \[PDF-333K\]](#)  
Nov 1998  
Department of Electronic & Electrical Engineering Departmental Review 1998/9 1 The  
Department of Electronic & Electrical Engineering at University College London is one of  
only three top rated EE research departments in the UK.  
[http://www.ee.ucl.ac.uk/~pbrennan/Rev\_low.pdf]  
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- ☐ 3. [Full duplex modulated backscatter system](#)  
**MacLellan, John Austin / Vannucci, Giovanni / Shober, R. Anthony / Wright,  
Gregory Alan / AT& / T IPM Corp., EUROPEAN PATENT**, Dec 1996  
...modulated **backscattering** (MBS) where...utilize the **amplitude modulated**  
techniques...Sequence **Spread Spectrum** (DS/SS) system...send the **amplitude**  
**modulated** signal using...modulated **backscatter** (e.g., reflected...Modulated  
**Backscatter** (MBS) to...generates an **amplitude modulated** signal modulated...  
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- ☐ 4. [Pseudo-passive universal communicator system](#)  
**Nysen, Paul Anton / Tobias, Raphael / CEDCOM NETWORK SYSTEMS PTY.  
LIMITED, EUROPEAN PATENT**, Aug 1989  
...repetitive long **amplitude modulated** continuous wave...watt) and may be **spread**  
**spectrum** modulated. Clock...transmit data will be **amplitude modulated** onto the  
carrier...similar to modulated **backscatter** radiation. Information...  
**Full text available at patent office. For more in-depth searching go to** LexisNexis  
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- 5. [Multiplexed and distributed optical fibre sensor systems](#)



**J P Dakin**, *Journal of Physics E: Scientific Instruments*, Aug 1987

...optical fibres from the normal Rayleigh **backscatter** signature, may be used to monitor...element of the array, and carrying **phase modulation** proportional to the changes in optical...corresponding fibre sensing element. **Phase modulation** of each time-demultiplexed channel...

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- ☐ 1. **SPREAD SPECTRUM CDMA COMMUNICATIONS SYSTEM**  
**SCHILLING, Donald, L. / INTERDIGITAL TECHNOLOGY CORPORATION, EUROPEAN PATENT, Nov 1992**

...INVENTION This invention relates to **spread spectrum** communications and more particularly...in the article, "Application of the **Spread- Spectrum**-Technique in Hybrid Mobile Radio Systems...with more than one mobile station. **Spread spectrum** is used on the "downlink" while narrowband...

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- ☐ 2. **SYSTEM AND METHOD FOR HIGH SPEED DIGITAL DATA CASTING CONCURRENT WITH AMPLITUDE MODULATED BROADCASTS**


**DYSON, Timothy, F. / BURNS, Joseph, R. / DATA DESIGN & / DEVELOPMENT CORPORATION, PATENT COOPERATION TREATY APPLICATION, Sep 1998**  
...CONCURRENT WITH **AMPLITUDE MODULATED** BROADCASTS FIELD...co-existing monophonic **amplitude modulated** (AM) signal. DESCRIPTION...along with an **amplitude modulated** carrier. Most...the equivalent **phase modulation**. A U.S. Pat. 4...

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- ☐ 3. **Method of generating CPM (continuous phase modulation) signals**

**Baier, Paul-Walter, Prof. Dr.-Ing. / Jung, Peter, Dipl.-Phys. / Infineon Technologies AG, EUROPEAN PATENT, Sep 1993**

...Communications and **Spread Spectrum** Systems...Continuous **Phase Modulation** - Signale...Superposition of **Amplitude Modulated** Pulses (AMP...Digital **Phase Modulation**", New York...Continuous **Phase Modulation**" in "IEEE...

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- ☐ 4. **ICASSP'95 Table of Contents [PDF-2MB]**

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...Joint Blind Signal Detection and Carrier Recovery Over Fading Channels 1205 Lang  
Tong A Smart Time-Frequency Exciser for **Spread Spectrum** Communications 1209  
Mehmet V. Tazebay, Ali N. Akansu Session: RECONSTRUCTION, ESTIMATION, AND



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- ☐ **5.** [pp. 1-5 PM6](#) [PDF-333K]  
Nov 1998  
Department of Electronic & Electrical Engineering Departmental Review 1998/9 1 The Department of Electronic & Electrical Engineering at University College London is one of only three top rated EE research departments in the UK.  
[http://www.ee.ucl.ac.uk/~pbrennan/Rev\_low.pdf]  
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- ☐ **6.** [SYSTEM AND METHOD OF DATA TRANSMISSION IN THE AM FREQUENCY SPECTRUM](#)  
**SMITH, Doug / DYSON, Timothy, F. / DiPIANO, Michael, A. / MOBILE BROADCASTING CORPORATION, PATENT COOPERATION TREATY APPLICATION**, Nov 1998  
...monophonic **amplitude modulated** (AM) signal...along with an **amplitude modulated** carrier...equivalent **phase modulation**. A U.S. Pat...envelope **phase modulation** of the AM...formulated **spread spectrum** sequence...  
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- ☐ **7.** [etd.dvi](#) [PDF-218K]  
Mar 1997  
...use the knowledge of the special code properties of the **spread spectrum** signals to obtain estimates of the channel parameters...introduced by Godard [17] for application to phase and **amplitude-modulated** signals. Both blind adaptive equalization and adaptive...  
[http://0-scholar.lib.vt.edu.csulib.ctstateu.edu/theses...]  
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- ☐ **8.** [SG245230](#) [PDF-2MB]  
Nov 1998  
Understanding Optical Communications Harry J. R. Dutton International Technical Support Organization <http://www.redbooks.ibm.com> SG24-5230-00 International Technical Support Organization Understanding Optical Communications September 1998 SG24-5230-00 Take Note!  
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- ☐ **9.** [IMPROVED DIRECT SEQUENCE SPREAD SPECTRUM SYSTEM](#)  
**FULTON, Forrest, F. / CELLNET DATA SYSTEMS, INC., PATENT COOPERATION TREATY APPLICATION**, Dec 1996  
IMPROVED DIRECT SEQUENCE **SPREAD SPECTRUM** SYSTEM Background of the Invention...relates to direct-sequence **spread spectrum** radio communications systems...signal in response to data. In **spread spectrum** communications, the carrier...  
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- ☐ **10.** [From: Doug Williams](#) [ASCII-75K]  
Nov 1993  
From: Doug Williams <dbw@gauss.eedsp.gatech.edu> Date: Wed, 31 Mar 1993 10:51:47 EST To: dsplett@gauss.eedsp.gatech.edu Subject: E-Letter on Digital Signal Processing: Issue 8 E-LETTER on Digital Signal Processing ISSUE No.  
[http://spib.rice.edu/news/e-letter/008]  
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- ☐ **11.** [etd.dvi](#) [PDF-383K]  
Oct 1998  
Jeffrey H. Reed Electrical Engineering Abstract This report focuses on the application of adaptive arrays to the Advanced Mobile Phone Service (AMPS) and Code Division Multiple Access (CDMA) cellular systems.

[<http://scholar.lib.vt.edu/theses/available/etd-2749102...>]  
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- ☐ **12. Pseudo-passive universal communicator system**  
**Nysen, Paul Anton / Tobias, Raphael / CEDCOM NETWORK SYSTEMS PTY. LIMITED, EUROPEAN PATENT**, Aug 1989  
...transmits a modulated, repetitive long **amplitude modulated** continuous wave signal and the...less than 1 watt) and may be **spread spectrum** modulated. Clock and transmit data will be **amplitude modulated** onto the carrier in the quasi...  
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- ☐ **13. . US Developments in PCS [PS-14K]**  
Oct 1995  
...Amplitude shift keying (ASK) Continuous **phase modulation** (CPM) Hybrids Noncoherent FSK ASK...modulated -- Nonconstant: phase and **amplitude modulated** Page 6 11 Binary Modulation Schemes...One Zero 10 chips/bit Page 17 33 **Spread Spectrum** . Frequency Hopping SS -- Slow hopping...  
[<http://www.cs.berkeley.edu/~randy/Courses/CS294.S96/Fu...>]  
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- ☐ **14. RADIO MULTIPLEX TRANSMISSION SYSTEM AND MULTIPLEX MODULATION CIRCUIT AND MULTIPLEX DEMODULATION CIRCUIT APPLYING THE SYSTEM**  
**KIKUCHI HIDEO / TOSHIBA CORP, PATENT ABSTRACTS OF JAPAN**, Oct 1996  
...the digital signals DS are **spread spectrum** modulated in a mixer 13a...is different for n/2 are **amplitude modulated** in an amplitude modulator...analog signals AS and the **phase modulation** wave signals and amplitude...  
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- ☐ **15. METHOD AND APPARATUS FOR INTEGRATION OF A WIRELESS COMMUNICATION SYSTEM WITH A CABLE T.V. SYSTEM**  
**DEAN, Richard, F. / WEAVER, Lindsay, A., Jr. / WHEATLEY, Charles, E., III / QUALCOMM INCORPORATED, EUROPEAN PATENT**, Nov 1998  
...the receiving station through the **spread spectrum** CDMA waveform properties based on...extremely important. System capacity in a **spread spectrum** system can be maximized if the transmission...maximize capacity in an exemplary CDMA **spread spectrum** system, the transmit power of each...  
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- ☐ **16. SYSTEMS AND METHODS FOR MONITORING AND CONTROLLING TRACTOR/TRAILER VEHICLE SYSTEMS**  
**LESESKY, Alan, C. / WEANT, Bobby, Ray / Power Talk, Inc, EUROPEAN PATENT**, Oct 1998  
...existing wiring using **spread spectrum** modulation. "Telecommunications...as a precursor to **spread spectrum** modulation to remedy indicated problems in **spread spectrum** techniques. The present...frequency modulation, **phase modulation** and other modulation...  
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- ☐ **17. Transparent embedment of data in a video signal**  
**Zink, Scott E. / Baker, Daniel G. / TEKTRONIX, INC., EUROPEAN PATENT**, Sep 1998  
...randomized. The resulting modulated carrier frequency is then **amplitude modulated** based upon a human visual model so that the modulated carrier...the principle of spectral spreading from Direct-Sequence **Spread Spectrum** (DSSS) modulation of a carrier frequency. The low-bandwidth...  
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☐ **18. [Broad linewidth lasers for optical fiber communication systems](#)**

**Huber, David R. / General Instrument Corporation, EUROPEAN PATENT**, Mar 1998  
...transmission of **amplitude modulated** ("AM") signals...modulator or an optical **phase modulation** ("PM") modulator...Hirose et al. : "**Spread-Spectrum** Optical Fiber Communications...g., frequency or **phase modulation**) driven by broadband...virtually ideal **phase modulation**. S. K. Korotky...

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☐ **19. [SYSTEMS AND METHODS FOR MONITORING AND CONTROLLING TRACTOR/TRAILER VEHICLE SYSTEMS](#)**

**LESESKY, Alan, C. / WEANT, Bobby, Ray / VEHICLE ENHANCEMENT SYSTEMS, INC., PATENT COOPERATION TREATY APPLICATION**, May 1997  
...of the tractor and the trailer, and **spread spectrum** signal producing means, responsive...positioned on the trailer, for producing a **spread spectrum** data communications signal representing...status of the subsystem from the -35 **spread spectrum** data communications signal. The subsystem...

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☐ **20. [COCHANNEL SIGNAL PROCESSING SYSTEM](#)**

**DOG^E / AN, Mithat, Can / STEARNS, Stephen, Deane / TRW INC., PATENT COOPERATION TREATY APPLICATION**, Jun 1998  
...and frequency or **phase modulation**, in which the amplitude...of frequency and **phase modulation** are often referred...signal, but not for **amplitude-modulated** (AM) signals or...of amplitude and **phase modulation**. There is a significant...

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